

# SOUTH KINGSTOWN REGIONAL WWTF

**S**outh Kingstown built its wastewater treatment facility in 1978. In 1990 the town upgraded the facility with, among other improvements, state-of-the-art aeration systems and two additional secondary clarifiers. More recent improvements include upgraded headworks, odor scrubbers and a new chlorination / dechlorination system. South Kingstown, a regional facility located just off Route 108 in Narragansett, serves portions of its own town as well as Narragansett and the University of Rhode Island. Sixteen operators, mechanics and other workers staff the facility. The award-winning South Kingstown facility discharges into Narragansett Bay.



**Superintendent:** Bernard Bishop  
**Address:** South Kingstown Town Hall  
 66 High St.  
 Wakefield, RI 02879  
**Telephone #:** 789-9331, Extension 253  
 or 788-9772  
**Fax #:** 789-3070



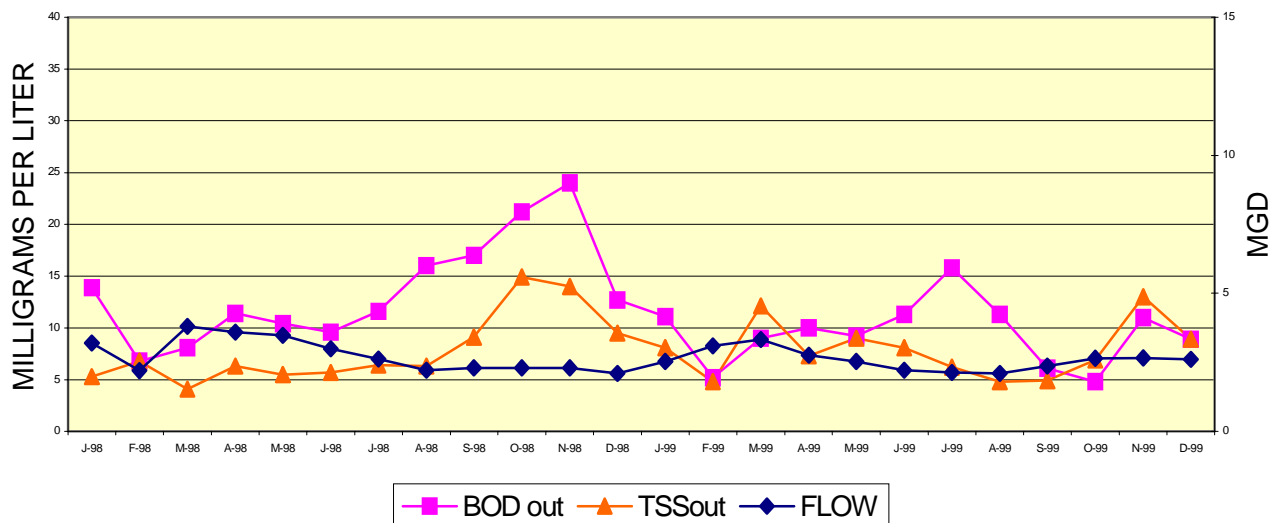
## CURRENT AND FUTURE CONCERNS

South Kingstown's discharge permit is currently being revised. It is expected that this new permit will be reissued in the first quarter of 2001.

## Overall Treatment: Excellent

Having no monthly violations for flow, BOD, TSS or fecal coliform, South Kingstown received a rating of Excellent.

SOUTH KINGSTOWN EFFLUENT DATA - 1998/1999



# BEGAN OPERATION 1978

## ANNUAL SURVEY

PARAMETER	1996	1997	1998	1999	PERMIT LIMIT	VIOLATIONS 1998/1999
FLOW (MGD)	2.8	2.6	2.8	2.6	5.0	0/0
BOD INFLUENT (MG/L)	161.8	162.2	157.3	192.1		
BOD EFFLUENT (MG/L)	9.9	10.6	13.6	9.5	30	0/0
BOD INFLUENT (LBS./DAY)	3687.8	3372.1	3490.0	4081.2		
BOD EFFLUENT (LBS./DAY)	232.4	224.5	300.1	199.6		
BOD % REMOVAL	93.8	93.5	91.4	95.1		
TSS INFLUENT (MG/L)	164.0	173.6	168.8	174.1		
TSS EFFLUENT (MG/L)	8.5	6.7	7.8	7.8	30	0/0
TSS INFLUENT (LBS./DAY)	3694.5	3598.3	3765.0	3699.0		
TSS EFFLUENT (LBS./DAY)	200.1	142.7	170.0	172.0		
TSS % REMOVAL	94.6	96.0	95.5	95.3		
FECAL COLIFORM (MPN/100ML)	4.2	4.2	11.0	5.8	200.0	0/0
CHLORINE RESIDUAL (MG/L)			0.03	0.03	1.04*	0/0

\*Daily Maximum Limit

## Operations & Maintenance

While two bypasses were reported in 1999, South Kingstown continues to be one of the best operated and maintained facilities in the state.

1998 O&M Rating: 10 out of 10  
 1999 O&M Rating: 10 out of 10  
 1998 Laboratory Rating: 5 out of 5  
 1999 Laboratory Rating: 5 out of 5  
**Overall O&M Rating: Excellent**

### 1998 SLUDGE DISPOSAL METHOD

Incineration (NETCO)/Central Landfill

**SLUDGE PRODUCED**  
 764/204 DRY TONS

### 1999 SLUDGE DISPOSAL METHOD

Incineration (NETCO)/Central Landfill

**SLUDGE PRODUCED**  
 769/206 DRY TONS

The facility disposes 75% of its sludge at the NETCO-operated incinerator in Woonsocket. The remaining 25% is dewatered and buried at the Central Landfill.

## SOUTH KINGSTOWN 1986 -1999 DATA

